BRUHAT BANAGLORE MAHANAGARA PALIKE

Executive Engineer-Byatarayanapura Division

Detailed Estimate

Name of Work: Improvements to Roads and drains at R.K.Hegdenagara and surrounding areas in ward no:6 Thanisandra, Byatarayanapura Subdivision

			Estimate Amount :				**5000000.00**		
Sl. No.	**Particulars**	**Unit /**	**Nos**	**L in m**	**B in m**	**D in m**	**Quantity**	**Rate in Rs**	**Total Amount in Rs**
	CIVIL WORKS								
1	KSRRB 300-1. **Earthwork excavation** by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **(Page No141., I.No.19.1 of KPWD S.R 2015-16).**								
	NEW Drain-RCC								
	Cross Roads		1	172	0.90	0.75	116.10		
	Cross Roads		1	93	0.90	0.75	62.78		
	For Slab Drain Cross Roads		1	384	0.75	0.75	216.00		
		Cum					**394.88**	**83.16**	**32838.00**
2	**Providing granite slabs** of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 10cm thick**(Page No 25., I.No.5.31.2 of KPWD S.R 2015-16).**								
		Sqm							
	BS L'Shaped drain								
	For Slab Drain Cross Roads		1	384	1.65		633.60		
							633.60	**794.88**	**503636.00**
3	KSRB 4-1.2 : Providing and laying in **position plain cement concrete of mix1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted,in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 **(Page No 12., I.No.4.2 of KPWD S.R 2015-16).**								
	NEW Drain-RCC								
	Cross Roads		1	172	0.90	0.10	15.48		
	Cross Roads		1	93	0.90	0.10	8.37		
		Cum					**23.85**	**5236.92**	**124901.00**
4	Providing and laying **Plain /reinforced cement concrete** for Box drain walls of thickness 10cm to 20cm including centring shuttering for work etc. complete as per approved drawing and design MORTH specification No.1500,1700,2200 **(Page No258., I.No.37.59.2 of KPWD S.R 2015-16).**								
	NEW Drain-RCC								
	Cross Roads		1	172	0.90	0.150	23.22		
	Cross Roads		1	93	0.90	0.150	12.56		
	Side WALL								

	Cross Roads		2	172	0.15	0.600	30.96		
	Cross Roads		2	93	0.15	0.600	16.74		
		Cum					**83.48**	**6954.12**	**580495.00**
5	KSRB 4.9.2 : Providing **T .M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 for TMT Bars Fe500 **(Page No 17., I.No.4.46.2 of KPWD S.R 2014-15).**								
	Cross Roads								
	taking 86kg/cum						7.17		
		Tonne					**7.17**	**59327.91**	**425317.00**
6	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- Data rate								
	NEW Drain-RCC								
	Cross Roads		1	172	0.90		154.80		
	Cross Roads		1	93	0.90		83.70		
			1	325	0.90		292.50		
		Sqm					**531.00**	**1834.00**	**973854.00**
7	Providing precast slab of **250mm thick** including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- Data rate								
	Covering Slab								
	Cross roads		5	6.5	1.20		39.00		
							39.00	**5111.00**	**199329.00**
8	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2. No. 12/ Item No. 4.3/ PWD SR 2015-16								
		Cum							
	Cross roads		1	180	3.50	0.150	94.50		
	Cross roads		1	145	3.50	0.150	76.13		
							170.63	**5070.60**	**865171.00**
9	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2015-16								
		Cum							

	1st cross		1	180	3.50	0.100	63.00		
	2nd cross		1	145	3.50	0.100	50.75		
							113.75	6332.04	720270.00
9	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2015-16								
		Sqm							
	Muninagappa layout								
	1st cross		1	180	3.50		630.00		
	2nd cross		1	145	3.50		507.50		
							1137.50	97.20	110565.00
10	Providing groove cutting for width of 5mm to 100m depth 80mm-100 including cost of cutting machine, generatoe & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot birumen fillars, and filler metal etc., including cost of conveyance of all materials,. Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. No. 187/ Item No. 22.7/ PWD SR 2015-16								
		mtrs							
	Muninagappa layout								
	1st cross		30	3.50			105.00		
	2nd cross		18	3.50			63.00		
							168.00	138.24	23225.00
11	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,								
		Cum							
				Qty Vide Item No.			394.88		
							394.88	73.36	28969.00
								Sub Total	4586210.00
12	For8% KRIDL Charges								366897.00
13	For 1% PMC/Third party inspection charges								45862.00
14	Miscllenous and other charges								1031.00
	Grand Total								5000000.00

Certificate:-

1. That the workspot inspected by me and found work is necessary.
2. That the area comes with in the Bruhat Bangalore Mahanagara Palike Limits.
3. That the rates are adopted based on the PWD SR of 2015-16
4. That the provisions made in the estimate are necessary and quite essential.

ADMINISTRATIVELY SANCTIONED FOR Rs. 50.00 lakhs
fifty lakhs only

Asst. Engineer
Ward No-6
BBMP

AEE
Byatarayanapura Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP
27/14/9/16.

Under P-1878

Technical Sanction
Accorded For 50.00 Lakh Rs
Head of A/C P 1878
CER NO : 65 21.10.16

TA CE (YNK)

Registered in EE ( )
Subject to remarks entered in
enclosed memo EE ( )
Dt
Sanctioned
JC(Y)/Pal/AS/13/2016-17
Dated 50.00 lakhs

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92